

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

Claim 1. (currently amended): A quasi-T shaped catheter for delivering anti-cancer drugs to the liver for chemotherapy, comprising:

a first chamber positioned at one limb of said quasi-T shaped catheter and having a first portal for delivering the anti-cancer drugs;

a second chamber positioned at another limb of said quasi-T shaped catheter opposite to the first chamber and having a second portal for delivering the anti-cancer drugs; and

a third chamber positioned at the other limb of the quasi-T shaped catheter and having a third portal for infusing the anti-cancer drugs;

wherein said quasi-T shaped catheter is formed as an integral piece and said first, second and third chambers are in communication with each other, and the first portal and the second portal are to be inserted into the vessels leading respectively to the hepatic artery and the portal vein[.];

wherein said first chamber has a length between 5 and 9 cm, said second chamber has a length between 5 and 9 cm and the third chamber has a length between 15-30 cm;

said first chamber and said second chamber each further comprises an anti-reflux valve;
and

the quasi-T shaped catheter has an anti-coagulation coating applied to its interior surface.

Claim 2 (original): The quasi-T shaped catheter of claim 1, wherein the cross sections of said first chamber and said second chamber are of an annular shape.

Claims 3-6 (canceled)

Claim 7 (original): The quasi-T shaped catheter of claim 1, wherein said quasi-T shaped catheter is formed of biocompatible materials.

Claim 8 (new): A method of delivering anti-cancer drugs to the liver for chemotherapy using the quasi-T shaped catheter of claim 1, comprising:

making a longitudinally incised orifice to the gastroduodenal artery at a location near the common hepatic artery;

inserting the first chamber of the quasi-T shaped catheter into the orifice and upward into the proper hepatic artery;

inserting the second chamber of the quasi-T shaped catheter into the orifice and downward toward the superior pancreaticoduodenal artery;

connecting the third chamber of the quasi-T shaped catheter to an infusion portal; and

infusing a drug through the infusion portal into the third chamber and on to the proper hepatic artery through the first chamber and to the superior pancreaticoduodenal artery through the second chamber.